

# 4-Port Industrial USB to RS-232/422/485 Serial Adapter - 15 kV ESD Protection

Product ID: ICUSB234854I



Add four extra COM ports to your laptop or desktop computer, quickly and easily. This USB to RS232/422/485 serial adapter lets you connect to your serial devices through an external USB port.

## Supports multiple serial protocols

The versatile serial adapter converts a single USB port into four RS232/RS422/RS485 serial ports, enabling you to connect, monitor, and control a wide range of serial devices, such as sensors, barcode scanners, and LED signage. It supports four operating modes, including RS232, RS422, 4-wire and 2-wire RS485.

## **Ideal for harsh environments**

With its rugged IP30-rated metal hub housing, the serial adapter is built to meet the extreme demands of harsh and mission-critical environments. It provides 15 kV ESD protection, which helps to reduce downtime in industrial environments where communications lines are more prone to noise emissions or sudden spikes in voltage.

The serial adapter offers flexible mounting options, with a built-in wall-mounting bracket and included DIN rail mounting kit. It also features a screw-locking host connection plus a screw-locking USB-B connector on the included USB cable, to prevent accidental disconnections.

## **Fast data transfers**

The serial adapter is equipped with high-speed UARTs, providing fast data rates of up to 921Kbps in RS232/422/485 operating modes.

The ICUSB234854I is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports and Compatibility



### Applications

- Connect your RS232, RS422 and RS485 serial devices through your computer's USB port for easy access to barcode scanners, receipt printers and other serial devices
- Connect, monitor and control industrial/automotive sensors and equipment
- Program LED and digital signage boards with serial communication ports
- Connect a satellite receiver, serial modem, or PDA with serial sync

### Features

- Converts a single USB port into four RS232/RS422/RS485 serial ports over USB 2.0 with four modes: RS232, RS422, 4-wire and 2-wire RS485
- 15 kV ESD protection (Level 4) against noise emissions and electrical voltage surges
- DIN rail and wall mountable
- Rugged IP30 rated metal hub housing and screw-locking host connection, ideal for harsh industrial environments
- Data transfer baud rate up to 921.6Kbps
- COM port expansion with COM retention
- Powered by USB, and features plug-and-play installation

|                                 |                            |   |                               |
|---------------------------------|----------------------------|---|-------------------------------|
| <b>Hardware</b>                 | Warranty                   | 2 Years   |                               |
|                                 | Bus Type                   | USB 2.0   |                               |
|                                 | Chipset ID                 | FTDI - FT4232H  |                               |
|                                 | Interface                  | Serial  |                               |
|                                 | Port Style                 | External Hub  |                               |
|                                 | Ports                      | 4   |                               |
| <b>Performance</b>              | Buffer Size                | 2 KB  |                               |
|                                 | Data Bits                  | 7, 8  |                               |
|                                 | Max Baud Rate              | 921.6 Kbps  |                               |
|                                 | Maximum Data Transfer Rate | 921.6 Kbps  |                               |
|                                 | Parity                     | Odd, Even, Mark, Space, None  |                               |
|                                 | Serial Protocol            | RS-232/422/485  |                               |
|                                 | Stop Bits                  | 1, 2  |                               |
|                                 | Surge Protection           | 15 kV ESD Surge Protection  |                               |
| <b>Connector(s)</b>             | External Ports             | 1 - USB Type-B (4 pin) USB 2.0 Female<br>4 - DB-9 (9 pin, D-Sub) Male   |                               |
|                                 | <b>Software</b>            | OS Compatibility<br>Windows® 7, 8, 8.1, 10<br>Windows Server® 2008 R2, 2012, 2012 R2, 2016<br>Mac OS® 10.9 to 10.14<br>Linux 2.4.x to 4.11.x <i>LTS Versions only</i> |                               |
| <b>Indicators</b>               | LED Indicators             | 4 - Sets of 4 - port mode<br>4 - Port send<br>4 - Port receive<br>1 - Power   |                               |
|                                 | <b>Environmental</b>       | Humidity  | 5~95% RH                      |
|                                 |                            | Operating Temperature   | 0°C to 55°C (32°F to 131°F)   |
|                                 |                            | Storage Temperature   | -20°C to 85°C (-4°F to 185°F) |
| <b>Physical Characteristics</b> | Color                      | Black   |                               |
|                                 | Enclosure Type             | Steel   |                               |
|                                 | Product Height             | 1 in [25 mm]  |                               |
|                                 | Product Length             | 5 in [128 mm]   |                               |
|                                 | Product Weight             | 13.5 oz [382 g]   |                               |

|                              |                           |  |
|------------------------------|---------------------------|--|
|                              | Product Width             | 4.6 in [116 mm]  |
| <b>Packaging Information</b> | Shipping (Package) Weight | 21.1 oz [598 g]  |
| <b>What's in the Box</b>     | Included in Package       | 1 - USB serial hub<br>1 - 6 ft. [2 m] USB-B with screw lock to USB-A cable<br>1 - DIN rail kit<br>1 - instruction manual |

Product appearance and specifications are subject to change without notice.